

516,566

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 August 2004 (26.08.2004)

PCT

(10) International Publication Number
WO 2004/071419 A2

- (51) International Patent Classification⁷: **A61K**
- (21) International Application Number:
PCT/US2004/003228
- (22) International Filing Date: 5 February 2004 (05.02.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/446,062 7 February 2003 (07.02.2003) US
- (71) Applicant (for all designated States except US): **THE GENERAL HOSPITAL CORPORATION** [US/US]; 55 Fruit Street, Boston, MA 02114 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **TROTTI, Davide**

[US/US]; 301 Shamut Avenue #31, Boston, MA 02118 (US). **BROWN, Robert, H.** [US/US]; 16 Oakland Ave., Needham, MA 02492-3150 (US).

(74) Agent: **WOLF, GREENFIELD & SACKS, P.C.**; 600 Atlantic Avenue, Boston, MA 02210 (US).

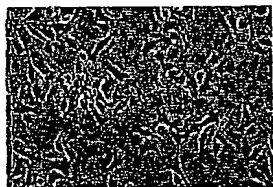
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

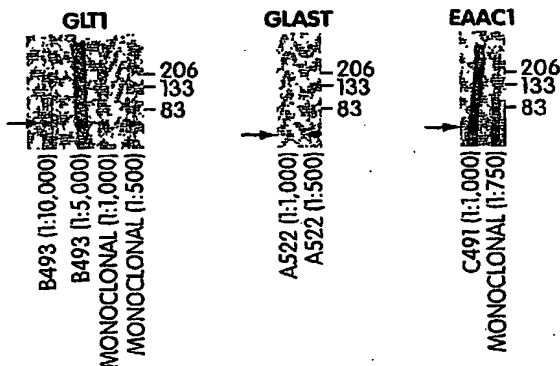
[Continued on next page]

(54) Title: METHODS AND COMPOSITIONS FOR MODULATING GLUTAMATE TRANSPORT ACTIVITY IN THE NERVOUS SYSTEM

(57) Abstract: The invention relates to products and methods for modulating glutamate transport activity and reducing glutamate excitotoxicity. The methods of the invention are useful to prevent and treat glutamate excitotoxicity-associated neurological disorders.



A



B

WO 2004/071419 A2



Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *without international search report and to be republished upon receipt of that report*